

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	50	((("6182840") or ("4378850") or ("5466061") or ("4255899") or ("4497482") or ("4508313") or ("5411520") or ("5875570") or ("6062398") or ("4824357") or ("RE33603") or ("3860152") or ("4314637") or ("4326695") or ("4424811") or ("4510116") or ("4795020") or ("4861543") or ("4903381") or ("4986408") or ("5011162") or ("5014899") or ("5178885") or ("5318782") or ("5384942") or ("5578326") or ("5787954") or ("6284285") or ("6377009") or ("6584821") or ("6753669") or ("20030006728") or ("20030085679") or ("20040217081") or ("20070151887") or ("5667521") or ("6246585") or ("4252134") or ("4339911") or ("4348830") or ("4360279") or ("4376503") or ("4382058") or ("4453911") or ("4486379") or ("4486164") or ("4514034") or ("4578299") or ("4632447") or ("4754530")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L2	103	BRANDERBURGER-TORSTEN\$.in. or HEI LMANN-KLAUS\$.in. or KNI ERBEI N-BERND\$. in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L3	2651	(604/262,403,408,409,411,415,).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L4	6391	((215/247,249,250) or (141/314,329,330,363,) or (206/219,222) or (137/572,68.29,68.3,67)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L5	2807	(215/230,232,247,250,258,316,dig3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L6	2651	(604/262,403,408,409,411,415,).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L7	2651	(604/262,403,408,409,411,415,).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L8	1451	L7 and (hold\$3 hook\$3 stay\$3 support\$3 adapt \$3 bond\$3 clamp\$3 connect\$3 coupl\$4 fasten \$3 link\$3 tie tying interfac\$3 clip\$4 lock\$3 attach\$4 mount\$4 demount\$4 dismount\$4) same (burst\$4 part\$4 split\$4 tear\$4 rupture\$4 ruptur\$4 pierc\$4 break\$4 penetrate\$4 perforate\$4 penetrat\$4 perforat\$4 puncture\$4 punctur\$4 stab\$5)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L9	1451	L7 and (hold\$3 hook\$3 stay\$3 support\$3 adapt \$3 bond\$3 clamp\$3 connect\$3 coupl\$4 fasten \$3 link\$3 tie tying interfac\$3 clip\$4 lock\$3 attach\$4 mount\$4 demount\$4 dismount\$4) same (burst\$4 part\$4 split\$4 tear\$4 rupture\$4 ruptur\$4 pierc\$4 break\$4 penetrate\$4 perforate\$4 penetrat\$4 perforat\$4 puncture\$4 punctur\$4 stab\$5)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16

L10	1257	L9 and (hold\$3 hook\$3 stay\$3 support\$3 adapt\$3 bond\$3 clamp\$3 connect\$3 coupl\$4 fasten\$3 link\$3 tie tying interfac\$3 clip\$4 lock\$3 attach\$4 mount\$4 demount\$4 dismount\$4) same (repository vessel bag canister capsule chamber reservoir ampoule ampule vial phial bottle)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L11	1070	L10 and @ay<"2004"	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L12	2807	(215/230,232,247,250,258,316,dig3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L13	50	((("6182840") or ("4378850") or ("5466061") or ("4255899") or ("4497482") or ("4508313") or ("5411520") or ("5875570") or ("6062398") or ("4824357") or ("RE33603") or ("3860152") or ("4314637") or ("4326695") or ("4424811") or ("4510116") or ("4795020") or ("4861543") or ("4903381") or ("4986408") or ("5011162") or ("5014899") or ("5178885") or ("5318782") or ("5384942") or ("5578326") or ("5787954") or ("6284285") or ("6377009") or ("6584821") or ("6753669") or ("20030006728") or ("20030085679") or ("20040217081") or ("20070151887") or ("5667521") or ("6246585") or ("4252134") or ("4339911") or ("4348830") or ("4360279") or ("4376503") or ("4382058") or ("4453911") or ("4486379") or ("4486164") or ("4514034") or ("4578299") or ("4632447") or ("4754530")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L14	103	BRANDERBURGER-TORSTEN\$.in. or HEI LMANN-KLAUS\$.in. or KNI ERBEI N-BERND\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L15	1070	L10 and @ay<"2004"	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L16	590	L15 and (elastic\$4 extendible extensible flexible pliable resilient rubberlike rubber\$4 spring\$4 stretch\$4 yielding yieldable) with (plug\$4 stopper\$3 cork\$3 wedg\$3 fitting clog\$4 clot\$4 block\$3 occlud\$4 occlus\$3 diaphragm membrane film veneer thin adj (sheet\$3 layer\$3 cover\$3))	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L17	2807	(215/230,232,247,250,258,316,dig3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L18	50	((("6182840") or ("4378850") or ("5466061") or ("4255899") or ("4497482") or ("4508313") or ("5411520") or ("5875570") or ("6062398") or ("4824357") or ("RE33603") or ("3860152") or ("4314637") or ("4326695") or ("4424811") or ("4510116") or ("4795020") or ("4861543") or ("4903381") or ("4986408") or ("5011162") or ("5014899") or ("5178885") or ("5318782") or ("5384942") or ("5578326") or ("5787954") or ("6284285") or ("6377009") or ("6584821") or ("6753669") or ("20030006728") or ("20030085679") or ("20040217081") or ("20070151887") or ("5667521") or ("6246585") or ("4252134") or ("4339911") or ("4348830") or ("4360279") or ("4376503") or ("4382058") or ("4453911") or ("4486379") or ("4486164") or ("4514034") or ("4578299") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16

		("4632447") or ("4754530")).PN.				
L19	103	BRANDERBURGER-TORSTEN\$.in. or HEILMANN-KLAUS\$.in. or KNIERBEIN-BERND\$. in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L20	1226	L17 and @ay<"2004" not (L7 L18 L19 L7)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L21	2121	(141/314,329,330,363,).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L22	1257	L9 and (hold\$3 hook\$3 stay\$3 support\$3 adapt \$3 bond\$3 clamp\$3 connect\$3 coupl\$4 fasten \$3 link\$3 tie tying interfac\$3 clip\$4 lock\$3 attach\$4 mount\$4 demount\$4 dismount\$4) same (repository vessel bag canister capsule chamber reservoir ampoule ampule vial phial bottle)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L23	1226	L17 and @ay<"2004" not (L7 L18 L19 L7)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L24	2121	(141/314,329,330,363,).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L25	784	L24 and @ay<"2004" not (L7 L18 L19 L7 L23)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L26	258	L25 and (elastic\$4 extendible extensible flexible pliable resilient rubberlike rubber\$4 spring\$4 stretch\$4 yielding yieldable) with (plug\$4 stopper\$3 cork\$3 wedg\$3 fitting clog \$4 clot\$4 block\$3 occlud\$4 occlus\$3 diaphragm membrane film veneer thin adj (sheet\$3 layer\$3 cover\$3))	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L27	784	L24 and @ay<"2004" not (L7 L18 L19 L7 L23)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L28	1911	(206/219,222).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L29	976	L28 and @ay<"2004" not (L7 L18 L19 L7 L23 L25)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L30	801	L29 and (repository vessel bag canister capsule chamber reservoir ampoule ampule vial phial bottle)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L31	220	L30 and (elastic\$4 extendible extensible flexible pliable resilient rubberlike rubber\$4 spring\$4 stretch\$4 yielding yieldable) with (plug\$4 stopper\$3 cork\$3 wedg\$3 fitting clog \$4 clot\$4 block\$3 occlud\$4 occlus\$3 diaphragm membrane film veneer thin adj (sheet\$3 layer\$3 cover\$3))	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L32	1911	(206/219,222).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L33	976	L28 and @ay<"2004" not (L7 L18 L19 L7 L23 L25)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L34	1108	(137/68.11,68.19,68.29,68.3,67).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L35	1108	(137/68.11,68.19,68.29,68.3,67).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L36	407	L35 and @ay<"2004" not (L7 L18 L19 L7 L23 L25 L29)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16

L37	295	L36 and (repository vessel bag canister capsule chamber reservoir ampoule ampule vial phial bottle)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L38	51	L37 and bag	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L39	801	L29 and (repository vessel bag canister capsule chamber reservoir ampoule ampule vial phial bottle)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L40	4	((("5257985") or ("5824216") or ("6012578") or ("6203535")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L41	295	L36 and (repository vessel bag canister capsule chamber reservoir ampoule ampule vial phial bottle)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L42	124615	bag and (hold\$3 hook\$3 stay\$3 support\$3 adapt\$3 bond\$3 clamp\$3 connect\$3 coupl\$4 fasten\$3 link\$3 tie tying interfac\$3 clip\$4 lock\$3 attach\$4 mount\$4 demount\$4 dismount\$4) same (burst\$4 parting partable parted split\$3 splittable tear\$3 tearable rupture\$3 ruptureable ruptur\$3 rupturable pierc\$4 break\$4 penetrate\$4 perforate\$4 penetrat\$4 perforat\$4 puncture\$4 punctur\$4 stab\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L43	124615	bag and (hold\$3 hook\$3 stay\$3 support\$3 adapt\$3 bond\$3 clamp\$3 connect\$3 coupl\$4 fasten\$3 link\$3 tie tying interfac\$3 clip\$4 lock\$3 attach\$4 mount\$4 demount\$4 dismount\$4) same (burst\$4 parting partable parted split\$3 splittable tear\$3 tearable rupture\$3 ruptureable ruptur\$3 rupturable pierc\$4 break\$4 penetrate\$4 perforate\$4 penetrat\$4 perforat\$4 puncture\$4 punctur\$4 stab\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L44	31259	L43 and (elastic\$4 extendible extensible flexible pliable resilient rubberlike rubber\$4 spring\$4 stretch\$4 yielding yieldable) with (plug\$4 stopper\$3 cork\$3 wedg\$3 fitting clog\$4 clot\$4 block\$3 occlud\$4 occlus\$3 diaphragm membrane film veneer thin adj (sheet\$3 layer\$3 cover\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L45	407	L35 and @ay<"2004" not (L7 L18 L19 L7 L23 L25 L29)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L46	55	(US-20040217081-\$ or US-20030105448-\$ or US-20020130100-\$ or US-20030192791-\$).did. or (US-5694978-\$ or US-6364143-\$ or US-6485479-\$ or US-6641731-\$ or US-6709424-\$ or US-3860152-\$ or US-3648693-\$ or US-3746001-\$ or US-3783895-\$ or US-3788369-\$ or US-4019512-\$ or US-4187893-\$ or US-4441538-\$ or US-4564054-\$ or US-4568345-\$ or US-4662878-\$ or US-4676788-\$ or US-4883483-\$ or US-4944736-\$ or US-5332399-\$ or US-5334162-\$ or US-5380314-\$ or US-5423793-\$ or US-5429256-\$ or US-5902298-\$ or US-5921419-\$).did. or (US-6165161-\$ or US-6378714-\$ or US-7074216-\$ or US-5494170-\$ or US-5622273-\$ or US-5730292-\$ or US-5855288-\$ or US-5857580-\$ or US-6142341-\$ or US-6234333-\$ or US-6308847-\$ or US-6330959-\$ or US-6720044-\$ or US-6915919-\$ or US-4991635-\$ or US-5291925-\$ or US-5595223-\$ or US-6918418-\$ or US-5826713-\$ or US-5944709-\$ or US-6752264-\$ or US-6012578-\$ or US-6203535-\$ or US-	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16

		5257985-\$ or US-5824216-\$).did.				
L47	55	(US-20040217081-\$ or US-20030105448-\$ or US-20020130100-\$ or US-20030192791-\$).did. or (US-5694978-\$ or US-6364143-\$ or US-6485479-\$ or US-6641731-\$ or US-6709424-\$ or US-3860152-\$ or US-3648693-\$ or US-3746001-\$ or US-3783895-\$ or US-3788369-\$ or US-4019512-\$ or US-4187893-\$ or US-4441538-\$ or US-4564054-\$ or US-4568345-\$ or US-4662878-\$ or US-4676788-\$ or US-4883483-\$ or US-4944736-\$ or US-5332399-\$ or US-5334162-\$ or US-5380314-\$ or US-5423793-\$ or US-5429256-\$ or US-5902298-\$ or US-5921419-\$).did. or (US-6165161-\$ or US-6378714-\$ or US-7074216-\$ or US-5494170-\$ or US-5622273-\$ or US-5730292-\$ or US-5855288-\$ or US-5857580-\$ or US-6142341-\$ or US-6234333-\$ or US-6308847-\$ or US-6330959-\$ or US-6720044-\$ or US-6915919-\$ or US-4991635-\$ or US-5291925-\$ or US-5595223-\$ or US-6918418-\$ or US-5826713-\$ or US-5944709-\$ or US-6752264-\$ or US-6012578-\$ or US-6203535-\$ or US-5257985-\$ or US-5824216-\$).did.	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L48	0	L47 and plug adj between	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L49	3	L47 and (plug\$4 stopper\$3 cork\$3 wedg\$3 fitting clog\$4 clot\$4 block\$3 occlud\$4 occlus\$3 diaphragm membrane film veneer thin adj (sheet\$3 layer\$3 cover\$3)) adj between	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L50	31259	L43 and (elastic\$4 extendible extensible flexible pliable resilient rubberlike rubber\$4 spring\$4 stretch\$4 yielding yieldable) with (plug\$4 stopper\$3 cork\$3 wedg\$3 fitting clog \$4 clot\$4 block\$3 occlud\$4 occlus\$3 diaphragm membrane film veneer thin adj (sheet\$3 layer\$3 cover\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L51	7637	L50 and (snap\$5 click\$4 pop\$5 interlock\$4) same (hold\$3 hook\$3 stay\$3 support\$3 adapt \$3 bond\$3 clamp\$3 connect\$3 coupl\$4 fasten \$3 link\$3 tie tying interfac\$3 clip\$4 lock\$3 attach\$4 mount\$4 demount\$4 dismount\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L52	4205	L51 and @ay<"2004" not (L7 L18 L19 L7 L23 L25 L29 L36)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L53	4205	L52 and (elastic\$4 extendible extensible flexible pliable resilient rubberlike rubber\$4 spring\$4 stretch\$4 yielding yieldable) with (plug\$4 stopper\$3 cork\$3 wedg\$3 fitting clog \$4 clot\$4 block\$3 occlud\$4 occlus\$3 diaphragm membrane film veneer thin adj (sheet\$3 layer\$3 cover\$3))	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16

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L60	50	((("6182840") or ("4378850") or ("5466061") or ("4255899") or ("4497482") or ("4508313") or ("5411520") or ("5875570") or ("6062398") or ("4824357") or ("RE33603") or ("3860152") or ("4314637") or ("4326695") or ("4424811") or ("4510116") or ("4795020") or ("4861543") or ("4903381") or ("4986408") or ("5011162") or ("5014899") or ("5178885") or ("5318782") or ("5384942") or ("5578326") or ("5787954") or ("6284285") or ("6377009") or ("6584821") or ("6753669") or ("20030006728") or ("20030085679") or ("20040217081") or ("20070151887") or ("5667521") or ("6246585") or ("4252134") or ("4339911") or ("4348830") or ("4360279") or ("4376503") or ("4382058") or ("4453911") or ("4486379") or ("4486164") or ("4514034") or ("4578299") or ("4632447") or ("4754530")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/18 11:16
L61	47	L60 and (bag connect\$4 spike liquid infusion transfusion medical patient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L62	4205	L51 and @ay<"2004" not (L7 L18 L19 L7 L23 L25 L29 L36)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
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"6290688"	"6321947"	"RE35540").PN. OR

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L69	357	L68 and @ay<"2004" not (L7 L18 L19 L7 L23 L25 L29 L36 L52)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L70	357	L68 and @ay<"2004" not (L7 L18 L19 L7 L23 L25 L29 L36 L52)	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
L71	331	L70 and (bag connect\$4 spike liquid infusion transfusion medical patient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L72	7637	L50 and (snap\$5 click\$4 pop\$5 interlock\$4) same (hold\$3 hook\$3 stay\$3 support\$3 adapt \$3 bond\$3 clamp\$3 connect\$3 coupl\$4 fasten \$3 link\$3 tie tying interfac\$3 clip\$4 lock\$3 attach\$4 mount\$4 demount\$4 dismount\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L73	331	L70 and (bag connect\$4 spike liquid infusion transfusion medical patient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L74	95	L73 and (snap\$5 click\$4 pop\$5 interlock\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/18 11:16
L75	60	(US-20040217081-\$ or US-20030105448-\$ or US-20020130100-\$ or US-20030192791-\$).did. or (US-5694978-\$ or US-6364143-\$ or US-6485479-\$ or US-6641731-\$ or US-6709424-\$ or US-3860152-\$ or US-3648693-\$ or US-3746001-\$ or US-3783895-\$ or US-3788369-\$ or US-4019512-\$ or US-4187893-\$ or US-4441538-\$ or US-4564054-\$ or US-4568345-\$ or US-4662878-\$ or US-4676788-\$ or US-4883483-\$ or US-4944736-\$ or US-5332399-\$ or US-5334162-\$ or US-5380314-\$ or US-5423793-\$ or US-5429256-\$ or US-5902298-\$ or US-5921419-\$).did. or (US-6165161-\$ or US-6378714-\$ or US-7074216-\$ or US-5494170-\$ or US-5622273-\$ or US-5730292-\$ or US-5855288-\$ or US-5857580-\$ or US-6142341-\$ or US-6234333-\$ or US-6308847-\$ or US-6330959-\$ or US-6720044-\$ or US-6915919-\$ or US-4991635-\$ or US-5291925-\$ or US-5595223-\$ or US-6918418-\$ or US-5826713-\$ or US-5944709-\$ or US-6752264-\$ or US-6012578-\$ or US-6203535-\$ or US-5257985-\$ or US-5824216-\$ or US-4230231-\$ or US-4478342-\$).did. or (US-4951822-\$ or US-5409125-\$ or US-6681475-\$).did.	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16

L76	13	(US-20030105448-\$).did. or (US-6752264-\$ or US-6378714-\$ or US-6330959-\$ or US-6308847-\$ or US-6234333-\$ or US-5944709-\$ or US-5494170-\$ or US-5429256-\$ or US-5409125-\$ or US-5380314-\$ or US-4951822-\$ or US-4944736-\$).did.	US-PGPUB; USPAT	OR	ON	2008/12/18 11:16
S1	50	((("6182840") or ("4378850") or ("5466061") or ("4255899") or ("4497482") or ("4508313") or ("5411520") or ("5875570") or ("6062398") or ("4824357") or ("RE33603") or ("3860152") or ("4314637") or ("4326695") or ("4424811") or ("4510116") or ("4795020") or ("4861543") or ("4903381") or ("4986408") or ("5011162") or ("5014899") or ("5178885") or ("5318782") or ("5384942") or ("5578326") or ("5787954") or ("6284285") or ("6377009") or ("6584821") or ("6753669") or ("20030006728") or ("20030085679") or ("20040217081") or ("20070151887") or ("5667521") or ("6246585") or ("4252134") or ("4339911") or ("4348830") or ("4360279") or ("4376503") or ("4382058") or ("4453911") or ("4486379") or ("4486164") or ("4514034") or ("4578299") or ("4632447") or ("4754530"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 15:16
S2	101	BRANDERBURGER-TORSTEN\$.in. or HELMANN-KLAUS\$.in. or KNIERBEIN-BERND\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/17 16:07
S4	47	S1 and (bag connect\$4 spike liquid infusion transfusion medical patient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/18 12:07
S8	2553	(604/262,403,408,409,411,415,).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 07:16
S9	6269	((215/247,249,250) or (141/314,329,330,363,) or (206/219,222) or (137/572,68.29,68.3,67)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 07:16
S10	2737	(215/230,232,247,250,258,316,dig3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 07:16
S11	2553	(604/262,403,408,409,411,415,).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 07:25
S12	1373	S11 and (hold\$3 hook\$3 stay\$3 support\$3 adapt\$3 bond\$3 clamp\$3 connect\$3 coupl\$4 fasten\$3 link\$3 tie tying interfac\$3 clip\$4 lock\$3 attach\$4 mount\$4 demount\$4 dismount\$4) same (burst\$4 part\$4 split\$4 tear\$4 rupture\$4 ruptur\$4 pierc\$4 break\$4 penetrate\$4 perforate\$4 penetrat\$4 perforat\$4 puncture\$4 punctur\$4 stab\$5)	US-PGPUB; USPAT	OR	ON	2007/12/18 07:27
S13	1191	S12 and (hold\$3 hook\$3 stay\$3 support\$3 adapt\$3 bond\$3 clamp\$3 connect\$3 coupl\$4 fasten\$3 link\$3 tie tying interfac\$3 clip\$4 lock\$3 attach\$4 mount\$4 demount\$4 dismount\$4) same (repository vessel bag canister capsule chamber reservoir ampoule ampule vial phial bottle)	US-PGPUB; USPAT	OR	ON	2007/12/18 09:23

S14	1059	S13 and @ay<"2004"	US-PGPUB; USPAT	OR	ON	2007/12/18 09:03
S15	582	S14 and (elastic\$4 extendible extensible flexible pliable resilient rubberlike rubber\$4 spring\$4 stretch\$4 yielding yieldable) with (plug\$4 stopper\$3 cork\$3 wedg\$3 fitting clog \$4 clot\$4 block\$3 occlud\$4 occlus\$3 diaphragm membrane film veneer thin adj (sheet\$3 layer\$3 cover\$3))	US-PGPUB; USPAT	OR	ON	2007/12/18 09:04
S16	2737	(215/230,232,247,250,258,316,dig3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 09:03
S17	50	((("6182840") or ("4378850") or ("5466061") or ("4255899") or ("4497482") or ("4508313") or ("5411520") or ("5875570") or ("6062398") or ("4824357") or ("RE33603") or ("3860152") or ("4314637") or ("4326695") or ("4424811") or ("4510116") or ("4795020") or ("4861543") or ("4903381") or ("4986408") or ("5011162") or ("5014899") or ("5178885") or ("5318782") or ("5384942") or ("5578326") or ("5787954") or ("6284285") or ("6377009") or ("6584821") or ("6753669") or ("20030006728") or ("20030085679") or ("20040217081") or ("20070151887") or ("5667521") or ("6246585") or ("4252134") or ("4339911") or ("4348830") or ("4360279") or ("4376503") or ("4382058") or ("4453911") or ("4486379") or ("4486164") or ("4514034") or ("4578299") or ("4632447") or ("4754530")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 09:03
S18	101	BRANDERBURGER-TORSTEN\$.in. or HEILMANN-KLAUS\$.in. or KNIERBEIN-BERND\$. in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/18 09:03
S19	1221	S16 and @ay<"2004" not (S11 S17 S18 S11)	US-PGPUB; USPAT	OR	ON	2007/12/18 09:18
S20	2091	(141/314,329,330,363,).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 09:18
S21	783	S20 and @ay<"2004" not (S11 S17 S18 S11 S19)	US-PGPUB; USPAT	OR	ON	2007/12/18 09:38
S22	258	S21 and (elastic\$4 extendible extensible flexible pliable resilient rubberlike rubber\$4 spring\$4 stretch\$4 yielding yieldable) with (plug\$4 stopper\$3 cork\$3 wedg\$3 fitting clog \$4 clot\$4 block\$3 occlud\$4 occlus\$3 diaphragm membrane film veneer thin adj (sheet\$3 layer\$3 cover\$3))	US-PGPUB; USPAT	OR	ON	2007/12/18 09:23
S23	1851	(206/219,222).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 10:03
S24	972	S23 and @ay<"2004" not (S11 S17 S18 S11 S19 S21)	US-PGPUB; USPAT	OR	ON	2007/12/18 10:03
S25	797	S24 and (repository vessel bag canister capsule chamber reservoir ampoule ampule vial phial bottle)	US-PGPUB; USPAT	OR	ON	2007/12/18 10:25

S26	219	S25 and (elastic\$4 extendible extensible flexible pliable resilient rubberlike rubber\$4 spring\$4 stretch\$4 yielding yieldable) with (plug\$4 stopper\$3 cork\$3 wedg\$3 fitting clog\$4 clot\$4 block\$3 occlud\$4 occlus\$3 diaphragm membrane film veneer thin adj (sheet\$3 layer\$3 cover\$3))	US-PGPUB; USPAT	OR	ON	2007/12/18 09:40
S27	1096	(137/68.11,68.19,68.29,68.3,67).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 10:03
S28	406	S27 and @ay<"2004" not (S11 S17 S18 S11 S19 S21 S24)	US-PGPUB; USPAT	OR	ON	2007/12/18 11:02
S29	294	S28 and (repository vessel bag canister capsule chamber reservoir ampoule ampule vial phial bottle)	US-PGPUB; USPAT	OR	ON	2007/12/18 10:26
S30	50	S29 and bag	US-PGPUB; USPAT	OR	ON	2007/12/18 10:06
S31	4	((("5257985") or ("5824216") or ("6012578") or ("6203535")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 10:25
S32	115506	bag and (hold\$3 hook\$3 stay\$3 support\$3 adapt\$3 bond\$3 clamp\$3 connect\$3 coupl\$4 fasten\$3 link\$3 tie tying interfac\$3 clip\$4 lock\$3 attach\$4 mount\$4 demount\$4 dismount\$4) same (burst\$4 parting partable parted split\$3 splittable tear\$3 tearable rupture\$3 ruptureable ruptur\$3 rupturable pierc\$4 break\$4 penetrate\$4 perforate\$4 penetrat\$4 perforat\$4 puncture\$4 punctur\$4 stab\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/18 10:30
S33	28784	S32 and (elastic\$4 extendible extensible flexible pliable resilient rubberlike rubber\$4 spring\$4 stretch\$4 yielding yieldable) with (plug\$4 stopper\$3 cork\$3 wedg\$3 fitting clog\$4 clot\$4 block\$3 occlud\$4 occlus\$3 diaphragm membrane film veneer thin adj (sheet\$3 layer\$3 cover\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/18 10:33
S34	6852	S33 and (snap\$5 click\$4 pop\$5 interlock\$4) same (hold\$3 hook\$3 stay\$3 support\$3 adapt\$3 bond\$3 clamp\$3 connect\$3 coupl\$4 fasten\$3 link\$3 tie tying interfac\$3 clip\$4 lock\$3 attach\$4 mount\$4 demount\$4 dismount\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/18 12:12
S35	4156	S34 and @ay<"2004" not (S11 S17 S18 S11 S19 S21 S24 S28)	US-PGPUB; USPAT	OR	ON	2007/12/18 12:07
S36	55	(US-20040217081-\$ or US-20030105448-\$ or US-20020130100-\$ or US-20030192791-\$).did. or (US-5694978-\$ or US-6364143-\$ or US-6485479-\$ or US-6641731-\$ or US-6709424-\$ or US-3860152-\$ or US-3648693-\$ or US-3746001-\$ or US-3783895-\$ or US-3788369-\$ or US-4019512-\$ or US-4187893-\$ or US-4441538-\$ or US-4564054-\$ or US-4568345-\$ or US-4662878-\$ or US-4676788-\$ or US-4883483-\$ or US-4944736-\$ or US-5332399-\$ or US-5334162-\$ or US-5380314-\$ or US-5423793-\$ or US-5429256-\$ or US-5902298-\$ or US-5921419-\$).did. or (US-6165161-\$ or US-6378714-\$ or US-7074216-\$ or US-5494170-\$ or US-5622273-\$ or US-5730292-\$ or US-5855288-\$ or US-5857580-\$ or US-6142341-\$ or US-6234333-\$ or US-6308847-\$ or US-6330959-\$ or US-6720044-\$ or US-6915919-\$ or US-4991635-\$ or US-5291925-\$ or US-5595223-\$ or US-6918418-\$ or US-	US-PGPUB; USPAT	OR	ON	2007/12/18 11:05

		5826713-\$ or US-5944709-\$ or US-6752264-\$ or US-6012578-\$ or US-6203535-\$ or US-5257985-\$ or US-5824216-\$).did.				
S37	0	S36 and plug adj between	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/18 11:45
S38	3	S36 and (plug\$4 stopper\$3 cork\$3 wedg\$3 fitting clog\$4 clot\$4 block\$3 occlud\$4 occlus\$3 diaphragm membrane film veneer thin adj (sheet\$3 layer\$3 cover\$3)) adj between	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/18 11:46
S39	4156	S35 and (elastic\$4 extendible extensible flexible pliable resilient rubberlike rubber\$4 spring\$4 stretch\$4 yielding yieldable) with (plug\$4 stopper\$3 cork\$3 wedg\$3 fitting clog \$4 clot\$4 block\$3 occlud\$4 occlus\$3 diaphragm membrane film veneer thin adj (sheet\$3 layer\$3 cover\$3))	US-PGPUB; USPAT	OR	ON	2007/12/18 11:46
S40	776	("0037221" "0659519" "0829178" "2342215" "2388634" "2483636" "2486321" "2524365" "2607503" "2653609" "2659370" "2663298" "2667986" "2756874" "2848995" "2876775" "2911123" "2953132" "3033202" "3064647" "3074544" "3082867" "3141221" "3149943" "3164303" "3187966" "3193128" "3206080" "3257072" "3278063" "3292622" "3356093" "3357427" "3358865" "3364930" "3419007" "3520471" "3526225" "3542032" "3545671" "3554256" "3603312" "3608709" "3610297" "3639952" "3674028" "3741383" "3749620" "3756389" "3779371" "3794490" "3809224" "3810469" "3826260" "3838689" "3847279" "3866608" "3872867" "3872992" "3882259" "3901403" "3911640" "3915212" "3940003" "3946871" "3964604" "3977553" "3977555" "3985135" "3995630" "4006745" "4010786" "4020839" "4033345" "4046145" "4048999" "4067440" "4130117" "4153057" "4183434" "4187893" "4198972" "4205754" "4210255" "4213456" "4223512" "4224367" "4230112" "4230231" "4236652" "4252846" "4259952" "4270533" "4284672" "4296786" "4297316" "4313904" "4336891" "4349024" "4350585" "4375145" "4387879" "4396382" "4396383" "4401214" "4402402" "4402687" "4409775" "4410096" "4410321" "4412623" "4417607" "4418827" "4425120" "4429693" "4432763" "4432764" "4443220" "4445884" "4452030" "4458811" "4460735" "4465200" "4465472" "4465488").PN. OR ("4467588"	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/18 12:06

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"4568336"	"4573506"	"4573976"
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"4614267"	"4614276"	"4616052"
"4616064"	"4619650"	"4619651"
"4622032"	"4624393"	"4629080"
"4639250"	"4643309"	"4662878"
"4671331"	"4672996"	"4673404"
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S41	353	S40 and @ay<"2004" not (S11 S17 S18 S11 S19 S21 S24 S28 S35)	US-PGPUB; USPAT	OR	ON	2007/12/18 12:07
S42	327	S41 and (bag connect\$4 spike liquid infusion transfusion medical patient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/18 12:07
S43	92	S42 and (snap\$5 click\$4 pop\$5 interlock\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/18 12:13

S44	60	(US-20040217081-\$ or US-20030105448-\$ or US-20020130100-\$ or US-20030192791-\$).did. or (US-5694978-\$ or US-6364143-\$ or US-6485479-\$ or US-6641731-\$ or US-6709424-\$ or US-3860152-\$ or US-3648693-\$ or US-3746001-\$ or US-3783895-\$ or US-3788369-\$ or US-4019512-\$ or US-4187893-\$ or US-4441538-\$ or US-4564054-\$ or US-4568345-\$ or US-4662878-\$ or US-4676788-\$ or US-4883483-\$ or US-4944736-\$ or US-5332399-\$ or US-5334162-\$ or US-5380314-\$ or US-5423793-\$ or US-5429256-\$ or US-5902298-\$ or US-5921419-\$).did. or (US-6165161-\$ or US-6378714-\$ or US-7074216-\$ or US-5494170-\$ or US-5622273-\$ or US-5730292-\$ or US-5855288-\$ or US-5857580-\$ or US-6142341-\$ or US-6234333-\$ or US-6308847-\$ or US-6330959-\$ or US-6720044-\$ or US-6915919-\$ or US-4991635-\$ or US-5291925-\$ or US-5595223-\$ or US-6918418-\$ or US-5826713-\$ or US-5944709-\$ or US-6752264-\$ or US-6012578-\$ or US-6203535-\$ or US-5257985-\$ or US-5824216-\$ or US-4230231-\$ or US-4478342-\$).did. or (US-4951822-\$ or US-5409125-\$ or US-6681475-\$).did.	US-PGPUB; USPAT	OR	ON	2007/12/18 12:16
S45	13	(US-20030105448-\$).did. or (US-6752264-\$ or US-6378714-\$ or US-6330959-\$ or US-6308847-\$ or US-6234333-\$ or US-5944709-\$ or US-5494170-\$ or US-5429256-\$ or US-5409125-\$ or US-5380314-\$ or US-4951822-\$ or US-4944736-\$).did.	US-PGPUB; USPAT	OR	ON	2007/12/18 12:17
S46	60	(US-20040217081-\$ or US-20030105448-\$ or US-20020130100-\$ or US-20030192791-\$).did. or (US-5694978-\$ or US-6364143-\$ or US-6485479-\$ or US-6641731-\$ or US-6709424-\$ or US-3860152-\$ or US-3648693-\$ or US-3746001-\$ or US-3783895-\$ or US-3788369-\$ or US-4019512-\$ or US-4187893-\$ or US-4441538-\$ or US-4564054-\$ or US-4568345-\$ or US-4662878-\$ or US-4676788-\$ or US-4883483-\$ or US-4944736-\$ or US-5332399-\$ or US-5334162-\$ or US-5380314-\$ or US-5423793-\$ or US-5429256-\$ or US-5902298-\$ or US-5921419-\$).did. or (US-6165161-\$ or US-6378714-\$ or US-7074216-\$ or US-5494170-\$ or US-5622273-\$ or US-5730292-\$ or US-5855288-\$ or US-5857580-\$ or US-6142341-\$ or US-6234333-\$ or US-6308847-\$ or US-6330959-\$ or US-6720044-\$ or US-6915919-\$ or US-4991635-\$ or US-5291925-\$ or US-5595223-\$ or US-6918418-\$ or US-5826713-\$ or US-5944709-\$ or US-6752264-\$ or US-6012578-\$ or US-6203535-\$ or US-5257985-\$ or US-5824216-\$ or US-4230231-\$ or US-4478342-\$).did. or (US-4951822-\$ or US-5409125-\$ or US-6681475-\$).did.	US-PGPUB; USPAT	OR	ON	2008/06/26 10:21
S47	0	S46 and arrow with flat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/26 10:22

S48	8	S46 and arrow	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/26 10:22
S49	2899	flat with (arrow indicia indicate indicator indicating indicater indication emblem mark marked marker markable markible marking demark demarked demarker demarkable demarkible demarking) with (grip gripping gripped gripper wing winged winging flap handle handled handling fingergrip handgrip handhold tab tabbing tabber tabbed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/26 10:25
S50	1480	flat with (arrow indicia indicate indicator indicating indicater indication emblem mark marked marker markable markible marking demark demarked demarker demarkable demarkible demarking) with (grip gripping gripped gripper wing winged winging flap handle handled handling fingergrip handgrip handhold tab tabbing tabber tabbed)	US-PGPUB; USPAT	OR	ON	2008/06/26 10:25
S51	707	S50 and (repository vessel bag canister capsule chamber container compartment reservoir ampoule ampule vial phial bottle tank)	US-PGPUB; USPAT	OR	ON	2008/06/26 10:26
S52	562	S51 and @ay<"2004"	US-PGPUB; USPAT	OR	ON	2008/06/26 10:26
S53	314	S52 and(arrow indicia indicate indicator indicating indicater indication emblem mark marked marker markable markible marking demark demarked demarker demarkable demarkible demarking) with (flow flowed flowing passaging path pathway pathed pathing direction)	US-PGPUB; USPAT	OR	ON	2008/06/26 10:28
S54	143	S53 and (parting partable parted split splitter splitting splittable tear torn tearer tearing tearable ruptureable rupturable break breaker broken breaking breakable perforate perforated perforation perforatable frangible frangible)	US-PGPUB; USPAT	OR	ON	2008/06/26 10:29
S55	379	(206/532).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/26 10:39
S56	1965	(206/820).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/26 10:39
S62	123	("0128699" "2361597" "2663461" "2887389" "2917216" "3128920" "3221939" "3394717" "3414117" "3545605" "3552638" "3605374" "3630346" "3715856" "3717244" "3780918" "3862684" "3872966" "3910487" "3917120" "3983999" "3993223" "4052986" "4174040" "4403695" "4469254" "4495313" "4512475" "4565348" "4640489" "4680336" "4691820" "4889664" "5039459" "5054610" "5080839" "5094609" "5240111" "5337888" "5467868" "D299085" "D305478" "D357115" "D358078").PN. OR ("4502616" "4951822" "5620088" "5697495" "6116449").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/26 10:56

S63	84	S62 and @ay<"2004"	US-PGPUB; USPAT	OR	ON	2008/06/26 10:56
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12/ 18/ 2008 11:29:35 AM

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